BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of Work: IMPROVEMENTS OF ROADS, DRAINS AND CONSTRUCTION OF NEW BUILDING WORKS AT THINDLU COLONY, KEMPEGOWDA NAGARA, BYATARAYANAPURA VILLAGE AND SURROUNDING AREAS INWARD NO.10 BYATARAYANAPURA

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	201.60	Removing and resetting of footpath slab	Sqm	235.00	Rupees Two Hundred Thirty Five Only
2	50.00	Dismantling of cement concrete pavement, Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately	Cum	619.30	Rupees Six Hundred Nineteen and Thirty Paise Only
3	189.00	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. In all kinds of soils Depth upto 1.5 m	Cum	266.20	Rupees Two Hundred Sixty Six and Twenty Paise Only
4	50.40	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface waterincluding of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.	Sqm	1287.00	Rupees One Thousand Two Hundred Eighty Seven Only
5	37.50	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.In all kinds of soils upto 300 mm depth	Cum	104.50	Rupees One Hundred Four and Fifty Paise Only
6	37.50	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 14:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 140 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 7 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing	Cum	5412.00	Rupees Five Thousand Four Hundred Twelve Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
7	37.50	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383:2016:, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, primer, sealant, curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.	Cum	7429.40	Rupees Seven Thousand Four Hundred Twenty Nine and Forty Paise Only
8	226.50	Unload ing, Loading & Carriage of MaterialsLoading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 14 m3)	Cum	148.50	Rupees One Hundred Forty Eight and Fifty Paise Only
9	289.92	Cost of Haulage Excluding Loading and Unloading,Taking output 10 t load and lead 10 km = 100 t.km	t.km	198.00	Rupees One Hundred Ninety Eight Only
10	15.59	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.	Cum	2668.60	Rupees Two Thousand Six Hundred Sixty Eight and Sixty Paise Only
11	19.32	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.	Cum	1131.90	Rupees One Thousand One Hundred Thirty One and Ninety Paise Only
12	5.67	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin-charge. In cement mortar	Cum	1852.40	Rupees One Thousand Eight Hundred Fifty Two and Forty Paise Only
13	6.00	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge.	Cum	1829.30	Rupees One Thousand Eight Hundred Twenty Nine and Thirty Paise Only
14	46.58	Unload ing, Loading & Carriage of MaterialsLoading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 14 m3)	Cum	148.50	Rupees One Hundred Forty Eight and Fifty Paise Only
15	59.62	Cost of Haulage Excluding Loading and Unloading,Taking output 10 t load and lead 10 km = 100 t.km	t.km	198.00	Rupees One Hundred Ninety Eight Only
16	27.28	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m	Cum	284.90	Rupees Two Hundred Eighty Four and Ninety Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
17	5.06	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)- Mix 1:3:6(M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	6587.90	Rupees Six Thousand Five Hundred Eighty Seven and Ninety Paise Only
18	6.67	Providing Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	6172.10	Rupees Six Thousand One Hundred Seventy Two and Ten Paise Only
19	5.18	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	7527.17	Rupees Seven Thousand Five Hundred Twenty Seven and Seventeen Paise Only
20	6.08	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Sqm	12796.41	Rupees Twelve Thousand Seven Hundred Ninety Six and Forty One Paise Only
21	46.96	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Sqm	11290.95	Rupees Eleven Thousand Two Hundred Ninety and Ninety Five Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
22	6.55	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification. A.Buildings	Tonne	98402.70	Rupees Ninety Eig Thousand Four Hundred Two and Seventy Paise Only
23	17.28	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	292.60	Rupees Two Hundred Ninety Two and Sixty Paise Only
24	9.55	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates.	Cum	7044.40	Rupees Seven Thousand Forty Four and Forty Paise Only
25	298.02	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	1354.10	Rupees One Thousand Three Hundred Fifty Four and Ten Paise Only
26	72.00	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	1214.40	Rupees One Thousand Two Hundred Fourteen and Forty Paise Only
27	417.36	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge	Sqm	350.63	Rupees Three Hundred Fifty and Sixty Three Paise Only
28	362.28	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge	Sqm	589.88	Rupees Five Hundred Eighty Nine and Eighty Eight Paise Only
29	417.36	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	Sqm	137.50	Rupees One Hundred Thirty Seven and Fifty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
30	417.36	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	229.63	Rupees Two Hundred Twenty Nine and Sixty Three Paise Only
31	362.28	Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 ltr/10 m^2) over and including priming coat of exterior primer applied @ 2.20kg/10 m^2 to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	389.13	Rupees Three Hundred Eighty Nine and Thirteen Paise Only
32	378.00	Providing and fixing M.S. grills of required pattern in frames of win- dows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	Kg	201.30	Rupees Two Hundred One and Thirty Paise Only
33	14.40	Providing & fixing of 2.5 track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 94mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 58mm with GI reinforcement of 1.5mm and mesh sash of size 25mm x 42mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 1819mm x 1819mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)	Sqm	7206.10	Rupees Seven Thousand Two Hundred Six and Ten Paise Only
34	5.04	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)	Sqm	8188.40	Rupees Eight Thousand One Hundred Eighty Eight and Forty Paise Only
35	0.17	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Cum	151881.40	Rupees One Hundred Fifty One Thousand Eight Hundred Eighty One and Forty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
36	219.47	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	3137.20	Rupees Three Thousand One Hundred Thirty Seven and Twenty Paise Only
37	52.95	Providing and fixing 18 mm thick gang saw cut granite of any color and shade, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch up, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Area of slab over 0.50 m2	Sqm	4330.70	Rupees Four Thousand Three Hundred Thirty and Seventy Paise Only
38	75.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.. -25mm nominal OD pipes.	Rmt	524.70	Rupees Five Hundred Twenty Four and Seventy Paise Only
39	45.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc..-32mm nominal OD pipes.	Rmt	612.70	Rupees Six Hundred Twelve and Seventy Paise Only
40	569.60	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	621.50	Rupees Six Hundred Twenty One and Fifty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
41	50.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe ……mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Mtr	66.00	Rupees Sixty Six Only
42	50.00	Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe ….dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	68.00	Rupees Sixty Eight Only
43	10.00	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.	Each	348.00	Rupees Three Hundred Forty Eight Only
44	50.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. a)1 sqmm	Mtr	19.00	Rupees Nineteen Only
45	50.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. b) 1.5 sqmm	Mtr	26.00	Rupees Twenty Six Only
46	8.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. e) 12 Module	Mtr	344.00	Rupees Three Hundred Forty Four Only
47	4.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. f)16 Module	Mtr	397.00	Rupees Three Hundred Ninety Seven Only
48	24.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. a)6Amps one way.	Nos	102.00	Rupees One Hundred Two Only
49	10.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. c) 6Amps 3way socket.	Nos	171.00	Rupees One Hundred Seventy One Only
50	8.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. d) Stepped Fan Regulator Two Module	Nos	357.00	Rupees Three Hundred Fifty Seven Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
51	8.00	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS: 1709/1984 with latest amendment, Rated voltage 220 V/50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value 4.2 CMM / W, Three Blades of blade leaf 1.05 mm thick Aluminium Alloy sheet, Class B motor insulation, Bearing Two ball bearings, Top 6202, Bottom 6201, as per IS specification, Motor winding. Temp rise Shall not exceed 75 deg C over and ambient of 40 0C by resistance method at 245 V, Insulation resistance Shall not be less than Two Mega Ohms (2M Ohms), Leakage current Should not exceed 210 Micro Amp, Power input, W& current, Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty. 56" Sweep 5 Star (1400 mm)	Each	3754.00	Rupees Three Thousand Seven Hundred Fifty Four Only
52	16.00	Fixing all types and all capacities of fluorescent / false ceiling/ spot light / CFL / LED fittings indoor on the wall / ceiling /rafters / girders using 23/0.0076" twin twisted PVC insulatedwires, required Nos of round blocks and clamps.	Each	122.00	Rupees One Hundred Twenty Two Only
53	8.00	Supplying & fixing of retrofit type - LED bulb.....W with OPAL acrylic diffuser comprising of LED source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 18W, 6500K	Each	426.00	Rupees Four Hundred Twenty Six Only
54	10000.00	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes but without fittings and the base support for tank	L	9.00	Rupees Nine Only
55	2.00	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 m m flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : -W.C. pan with ISI marked white solid plastic seat and lid	Each	6574.70	Rupees Six Thousand Five Hundred Seventy Four and Seventy Paise Only
56	2.00	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : Range of four urinal basins with 10 litre white P.V.C. automatic flushing cistern	Each	14377.00	Rupees Fourteen Thousand Three Hundred Seventy Seven Only

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				In Figures	In Words
57	2.00	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	Each	3152.60	Rupees Three Thousand One Hundred Fifty Two and Sixty Paise Only
58	2.00	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	1342.00	Rupees One Thousand Three Hundred Forty Two Only
59	4.00	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 450 mm long towel rail with total length of 495 mm, 78 mm wide andeffective height of 88 mm, weighing not less than 170 g.	Each	525.80	Rupees Five Hundred Twenty Five and Eighty Paise Only
60	4.00	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	159.50	Rupees One Hundred Fifty Nine and Fifty Paise Only
61	15.00	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931	Nos	698.50	Rupees Six Hundred Ninety Eight and Fifty Paise Only
62	10.00	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	Each	797.50	Rupees Seven Hundred Ninety Seven and Fifty Paise Only
63	20.00	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. - 15 mm nominal bore with 45cm length	Set	127.60	Rupees One Hundred Twenty Seven and Sixty Paise Only
64	10.00	Providing and fixing gun metal non- return valve of approved quality (screwed end) : 25 mm nominal bore - Horizontal type.	Each	682.00	Rupees Six Hundred Eighty Two Only
65	60.00	Providing and fixing chlorinated poly vinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings, including fixing the pipe with the clamp at 1.00 mtr spacing . This includes joining of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. (Internal works) (Concealed work, including cutting chases and making good the walls etc.) 15mm dia pipe nomina	Mtr	339.90	Rupees Three Hundred Thirty Nine and Ninety Paise Only
66	25.00	Providing and fixing chlorinated poly vinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings, including fixing the pipe with the clamp at 1.00 mtr spacing . This includes joining of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. (Internal works) (Concealed work, including cutting chases and making good the walls etc.) 20mm dia pipe nomina	Mtr	416.90	Rupees Four Hundred Sixteen and Ninety Paise Only
67	10.00	Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Nos	603.90	Rupees Six Hundred Three and Ninety Paise Only
68	5.00	Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore	Nos	657.80	Rupees Six Hundred Fifty Seven and Eighty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
69	20.00	Providing and fixing chlorinated poly vinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings. This includes joining of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. (External works)	Mtr	182.60	Rupees One Hundred Eighty Two and Sixty Paise Only
70	20.00	Providing and fixing chlorinated poly vinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings. This includes joining of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. (External works)	Mtr	238.70	Rupees Two Hundred Thirty Eight and Seventy Paise Only
71	20.00	Providing and fixing chlorinated poly vinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings. This includes joining of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. (External works)	Mtr	325.60	Rupees Three Hundred Twenty Five and Sixty Paise Only
72	20.00	Providing and fixing chlorinated poly vinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings. This includes joining of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. (External works)	Mtr	793.10	Rupees Seven Hundred Ninety Three and Ten Paise Only

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Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))